

1. (Previously Presented) An axial-flow thermal turbomachine comprising:
a metallic rotor;
a circumferential groove;
rotor blades made of an intermetallic compound mounted in the circumferential groove to form a row of blades;
at least two rotor blades positioned at a uniform distance from one another and made of a material more ductile than said intermetallic compound, said at least two rotor blades arranged in said row of blades between the intermetallic rotor blades;
wherein said at least two rotor blades are either
longer than the intermetallic rotor blades, or
the same length as and have a different blade tip shape than the intermetallic rotor blades.
2. (Previously Presented) The turbomachine as claimed in claim 1, further comprising:
intermediate pieces made of a more lightweight material than the material of the rotor arranged between two adjacent rotor blades of a row of blades.
3. (Previously Presented) The turbomachine as claimed in claim 2, wherein the intermetallic compound of the rotor blades and the lightweight material of the intermediate pieces each comprises an alloy selected from the group consisting of a γ -titanium aluminide alloy and an orthorhombic titanium aluminide alloy.
4. (Previously Presented) The turbomachine as claimed in claim 3, wherein the γ -titanium aluminide alloy has the following chemical composition (in % by weight): Ti-(30.5-31.5)Al-(8.9-9.5)W-(0.3-0.4)Si.
5. (Previously Presented) The turbomachine as claimed in Claim 1, wherein the rotor

blades comprise blade tips coated with a hard phase.

6. (Previously Presented) The turbomachine as claimed in claim 5, wherein the blade tips each comprise a wear-resistant layer laser welded to the blade tips.

7. (Previously Presented) The turbomachine as claimed in Claim 1, wherein the turbomachine comprises a gas turbine having a high-pressure compressor comprising said rotor, said rotor comprising a stainless Cr-Ni steel.

8. (Previously Presented) The turbomachine as claimed in Claim 1, wherein said rotor blades comprise a material selected from the group consisting of stainless Cr-Ni steel, a heat-resistant turbine blade steel, and a superalloy.

9. (Previously Presented) The turbomachine as claimed in Claim 2, wherein said lightweight material comprises an intermetallic compound or a titanium alloy.